

Notice of Allowability

Application No.

10/600,727

Applicant(s)

SANDY ET AL.

Examiner

AHMED ELALLAM

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 07/02/2007.
2. ☒ The allowed claim(s) is/are 1, 3-9, 12-19 respectfully renumbered 1-16.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>07/02/2007</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The prior art of records, Kadambi et al, US 2003/0016628 A1; Erimli, US 6,980,520. Knight et al, WO 00/11841, and Tagore-Brage et al, US 2002/0172205, fails to teach singularly or in combination, the followings:

A method comprising (inter alias):

providing a distributed switch fabric network having a first node and a second node coupled to exchange a plurality of packets over a channel, wherein the plurality of packets are divided into a plurality of priority levels of packets, detecting a congestion condition of one of the plurality of priority levels of packets in the second node; detecting a clear condition of the one of the plurality of priority levels of packets in the second node; reporting the clear condition of the one of the plurality of priority levels of packets to the first node; resuming transmission of the one of the plurality of priority levels of packets from the first node to the second node upon reporting the clear condition of the one of the plurality of priority levels of packets to the first node; providing each of the plurality of priority levels of packets with a transmit buffer; the one of the plurality of priority levels of packets accumulating in the transmit buffer corresponding to the one of the plurality of priority levels of packets; wherein if the transmit buffer corresponding to the one of the plurality of priority levels of packets reaches a transmit threshold value, a traffic manager of the first node modifying transmission of the one of the plurality of

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priority levels of packets to the transmit buffer; and if resuming transmission occurs prior to the transmit buffer reaching the transmit threshold value, the first node suspending transmission of the one of the plurality of priority levels of packets occurring transparently to the traffic manager of the first node, as indicated in independent claim 1.

A method comprising (inter alias):

providing a distributed switch fabric network having a first node having a first node transceiver port and a second node having a second node transceiver port;

a link level flow control operating between a first node transceiver port and a second node transceiver port in response to a congestion condition in the second node transceiver port, wherein the link level flow control suspends transmission of one of a plurality of priority levels of packets on a channel from the first node transceiver port to the second node transceiver port; the one of the plurality of priority levels of packets accumulating in one of a plurality of transmit buffers of the first node transceiver port, wherein the one of the plurality of transmit buffers corresponds to the one of the plurality of priority levels of packets;

per-flow flow control operating to modify transmission of the one of the plurality of priority levels of packets to the one of the plurality of transmit buffers if the one of the plurality of transmit buffers reaches a transmit threshold value; and link level flow control operating transparently to a traffic manager of the first node if the congestion condition

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occurs and the one of the plurality of transmit buffers fails to reach the transmit threshold value, as indicated in independent claim 12.

Conclusion

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AHMED ELALLAM whose telephone number is (571) 272-3097. The examiner can normally be reached on 7-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi H. Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the

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Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AHMED ELALLAM
Examiner
Art Unit 2616
9/16/07


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SUPERVISORY PATENT EXAMINER
9/17/07